BRUHAT BANGALORE MAHANAGARA PALIKE

COMPERATIVE STATEMENT / PWD FORM - 45 (WORK SLIP)

Name of Work: Improvements to Roads at Deo Residency and Legacy area of Jakkur Plantation in Ward No 07, Byatarayanapura.

Name of Agency: Executive engineer, Karnataka Rural Infrastructure Development Limited, # 280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajainagara, Bangalore - 10.

Estimated Cost: 49,50,000.00

Amount : Rs. 49,47,471.00 Lakhs

Work Order No. BBMP/EE/BTP/WO/107/2017-18 Dated: 02.03.2018.

SL. No.	Description	Unit	Qty. as per Sanctioned Estimate			Qty. as per Tender			Actual executed Qty.	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Executed Amount	Savings	Excess	Remarks
			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2018-19+/- T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled	Cum	451.50	186.92	84394.38	451.50	186.92	84394.38	415.00	415.00	186.92	77571.80	0.00	0.00	0.00	77571.80	6822.58		
2	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)	Sqm	1116.19	80.56	89920.27	1116.19	80.56	89920.27	1053.12	1053.12	80.56	84839.35	0.00	0.00	0.00	84839.35	5080.92		
3	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWTD SR 2016-17)	Sqm	279.05	665.68	185758.00	279.05	665.68	185758.00	263.28	263.28	665.68	175260.23	0.00	0.00	0.00	175260.23	10497.77		
4	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross	Cum	678.12	148.76	100877.13	678.12	148.76	100877.13	678.12	678.12	148.76	100877.13	0.00	0.00	0.00	100877.13	0.00		
5	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by	Cum	753.02	1768.08	1331399.60	753.02	1768.08	1331399.60	753.02	753.02	1768.08	1331399.60	0.00	0.00	0.00	1331399.60	0.00		
6	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means	Sqm	3274.00	27.56	90231.44	3274.00	27.56	90231.44	3274.00	3274.00	27.56	90231.44	0.00	0.00	0.00	90231.44	0.00		
7	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as	Sqm	6668.50	3.18	21205.83	6668.50	3.18	21205.83	6194.00	6194.00	3.18	19696.92	0.00	0.00	0.00	19696.92	1508.91		

	Description	Unit	Qty. as per Sanctioned Estimate			Qty. as per Tender			Actual executed Qty.	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Executed Amount	Savings	Excess	Remarks
			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2018-19+/- T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
8	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of	Sqm	6668.50	11.66	77754.71	6668.50	11.66	77754.71	6194.00	6194.00	11.66	72222.04	0.00	0.00	0.00	72222.04	5532.67		
9	KSRRB M500-19. Providing and laying bituminous concrete 40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 6% of mix and filler, transporting	Cum	266.74	7083.98	1889580.83	266.74	7083.98	1889580.83	247.76	247.76	7083.98	1755126.88	0.00	0.00	0.00	1755126.88	134453.94		
10	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished	Sqm	195.10	542.72	105884.67	195.10	542.72	105884.67	180.50	180.50	542.72	97960.96	0.00	0.00	0.00	97960.96	7923.71		
11	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size 450x200x400 mm and finished with CM 1:3 plastering and finishing cutting etc., complete. Page No. 25 / Item No. 5.29.1	Nos	555.00	386.90	214729.50	555.00	386.90	214729.50	0.00	0.00	386.90	0.00	0.00	0.00	0.00	0.00	214729.50		
12	Providing and applying ready mix priming coat over ocncrete / masonry, / asbestos cement sheet / plastered surfaces includding preparing the surface after thorougly cleaning of oil, grease, dirt and other foreign matter and sand papering	Sqm	249.75	27.56	6883.11	249.75	27.56	6883.11	0.00	0.00	27.56	0.00	0.00	0.00	0.00	0.00	6883.11		
13	Providing and applying spray painting in two coats (excluding priming coat) over ocncrete / masonry, / asbestos cement sheet / plastered surfaces includding preparing the surface after thorougly cleaning of oil, grease, dirt and other	Sqm	249.75	69.96	17472.51	249.75	69.96	17472.51	0.00	0.00	69.96	0.00	0.00	0.00	0.00	0.00	17472.51		
14	Providing and laying heavy cobble stones 60mm thick interlock pavers, using cement and course sand for manufactures of blocks of approved size, shape and colour with a minimum compressive strength of 281 Kg/per sqm over 50mm thick sand	Sqm	250.00	966.72	241680.00	250.00	966.72	241680.00	0.00	0.00	966.72	0.00	0.00	0.00	0.00	0.00	241680.00		
	EIRL															**3805186.36**		**0.00**	
E1	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS	Sqm							128.00	128.00	979.44	125368.32				125368.32		125368.32	

	Description	Unit	Qty. as per Sanctioned Estimate			Qty. as per Tender			Actual executed Qty.	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Executed Amount	Savings	Excess	Remarks
			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2018-19+/- T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
E2	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in	Cum							13.60	13.60	5599.98	76159.73				76159.73		76159.73	
E3	Providing precast slab of 100 mm thick including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge- Data rate.	Sqm							192.00	192.00	2337.00	448704.00				448704.00		448704.00	
																650232.05		**650232.05**	
																4455418.40	**652585.63**	650232.05	
	Sub Total				4457771.98			4457771.98								**4455418.40**	**652585.63**	**650232.05**	
	KRIDL Charges @ 10%				445777.20			445777.20								445541.84	65258.56	65023.20	
	Third Party Inspection Charges @ 1%				44577.72			44577.72								44554.18	6525.86	6502.32	
	Miscelaneous and unforgen charges	LS			1873.00														
	Total				**4950000.00**			**4948126.90**								**4945514.43**	**724370.04**	**721757.57**	

0.053 Below

SUMMARY:

1. **Estimated Cost : Rs. 15.00 Lakhs**
2. **Approved Cost : Rs. 14.97 Lakhs**
3. **EIRL Amount Rs. 6,50,232.05 = 14.59 % of the Tender Amount**
4. **During execution as per requirement and site condition, the total Qty to be executed costs Rs. 49.45 Lakhs which is 0.053% BELOW the Tender cost. The proposal may kindly be approved.**

Assistant Engineer
Ward No. 07

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

EXTRA ITEM RATE LIST

Name of Work: Improvements to Roads at Deo Residency and Legacy area of Jakkur Plantation in Ward No 07, Byatarayanapura.

Name of Agency: Executive engineer, Karnataka Rural Infrastructure Development Limited, # 280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajainagara, Bangalore - 10

Estimated Cost: 49,50,000.00

Tender Amount : 49,47,471.00 Lakhs

Work Order No. BBMP/EE/BTP/WO/107/2017-18 Dated: 02.03.2018.

Sl. No.	Item No.	Description of Work	Unit	Qty	Rate	Amount	Whether the items are alternative to items in tender schedule or whether being an additional item	Wheather the extra items s included in the sanctioned Estimate	How the expenditure due to the extra item is proposed to be met out	Whether the item isincluded in the S.R (Referabce if SR to be given . If not Data Should accompany the EIRL	Remarks
1	E1	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 Page No. 27 / Item No. 5.26.2, PWD SR 2018-	Sqm	128.00	979.44	125368.32	Additional Item	No	By over all savings in the work	2018-19 PWD SR Rates	
2	E2	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. Page. No. 255 / Item No.34.11 of PWD SR 2018-	Cum	13.60	5599.98	76159.73	Additional Item	No	By over all savings in the work	2018-19 PWD SR Rates	
3	E3	Providing precast slab of 100 mm thick including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge- Data rate.	Sqm	192.00	2337.00	448704.00	Additional Item	No	By over all savings in the work	Approved Data Rate	
		Total				**650232.05**					

Percentage Excess = $\frac{650232.05}{\text{Approved Tender Amount } 4457771.98} \times 100 =$ 14.59%

Assistant Engineer
Ward No. 07

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

Executive Engineer
Byatarayanapura Division
BBMP